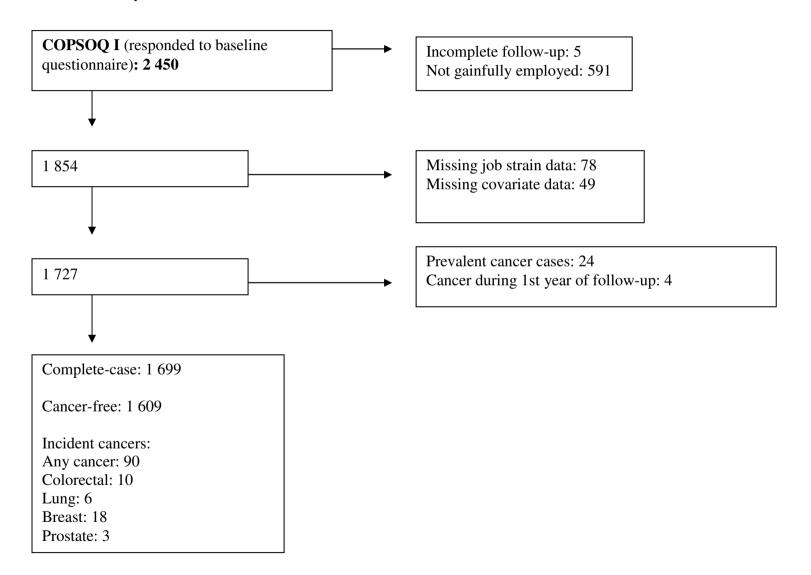
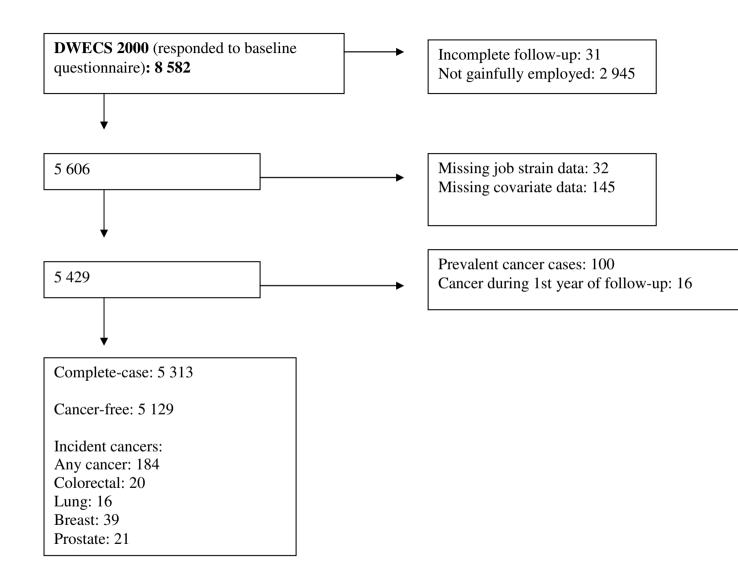
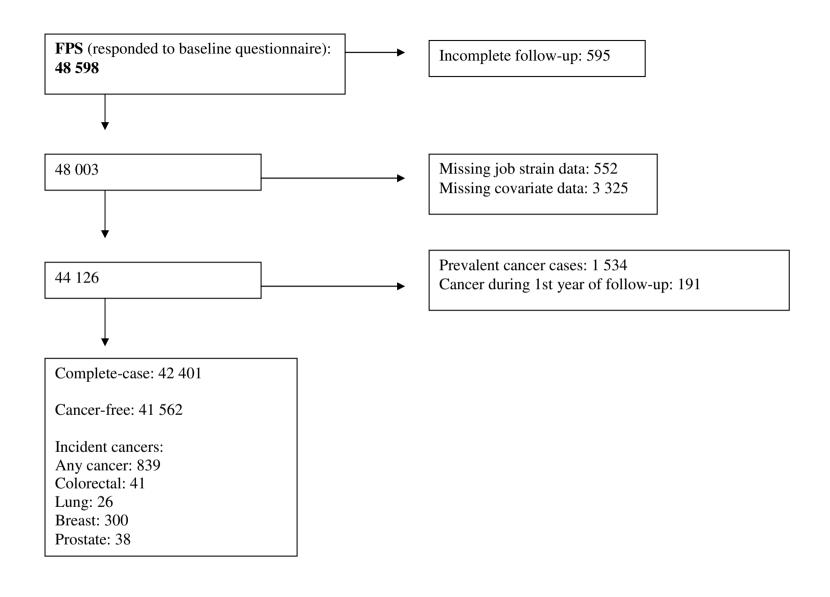
Appendix 3: Flow charts and participants' characteristics, by study [posted as supplied by author]

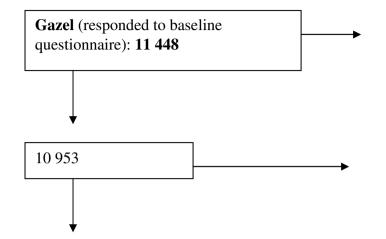
## Figure S1. Participant flow charts, by study

NB: covariates are age, sex, SEP, BMI, smoking and alcohol use. BMI was not measured in Still Working and thus not used to define complete case in this study.









Missing job strain data: 86 Missing covariate data: 409

Prevalent cancer cases: 218

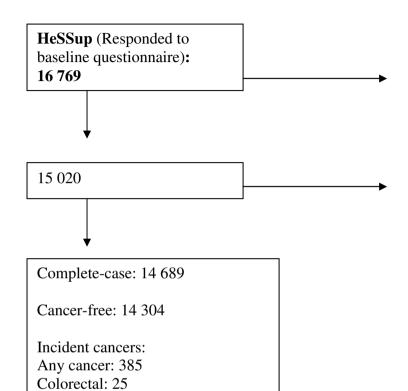
Cancer during 1st year of follow-up: 35

Complete-case: 10 700

Cancer-free: 9 888

Incident cancers: Any cancer: 812 Colorectal: 66 Lung: 55

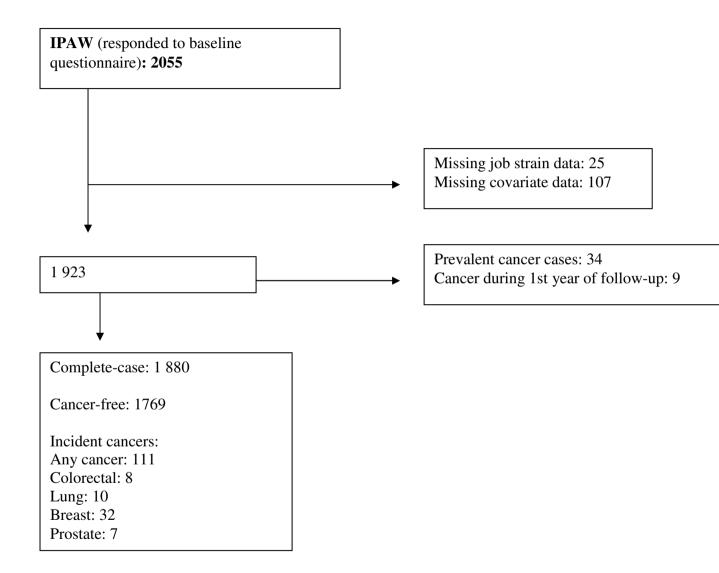
Breast: 86
Prostate: 252

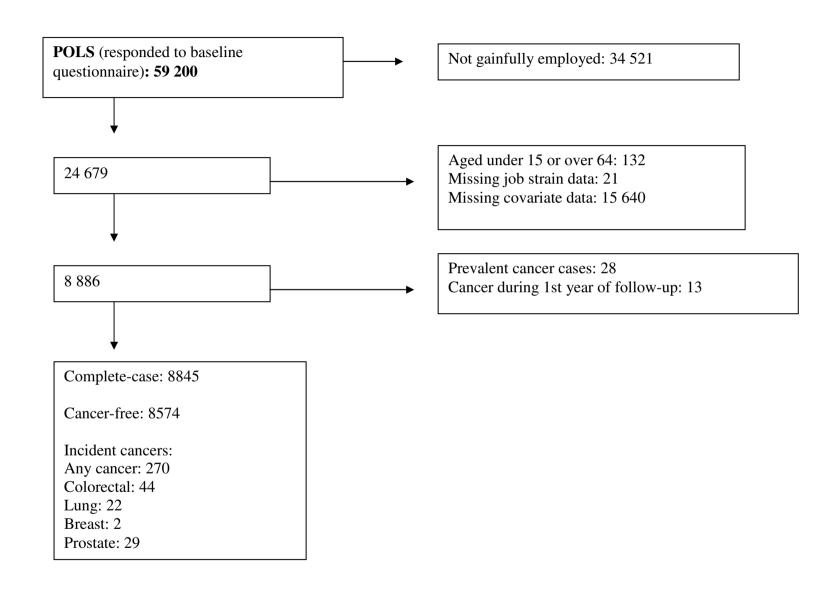


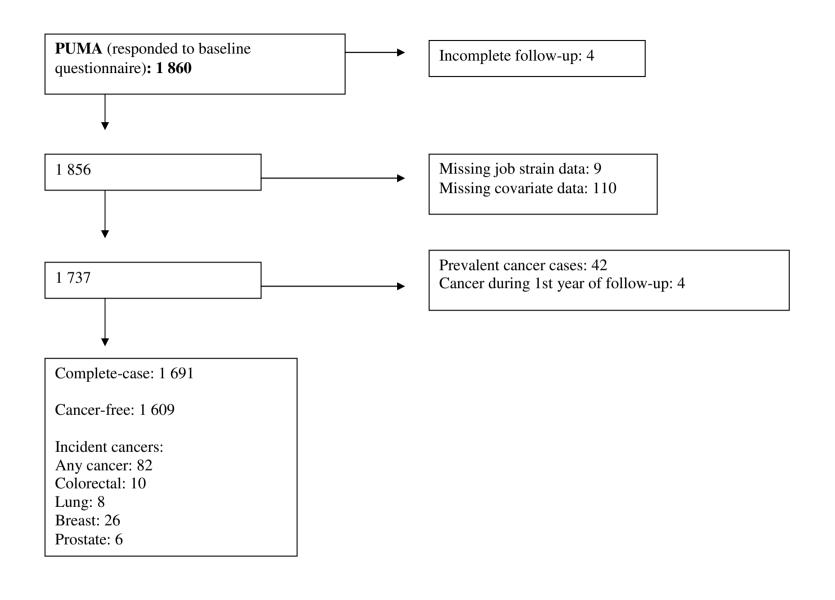
Lung: 10 Breast: 108 Prostate: 34 Missing job strain data: 322 Missing covariate data: 1 427

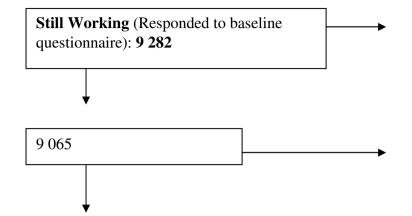
Prevalent cancer cases: 298

Cancer during 1st year of follow-up: 33









Missing job strain data: 117 Missing covariate data: 100

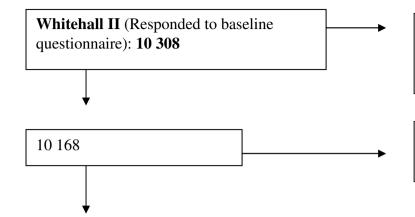
Prevalent cancer cases: 55

Cancer during 1st year of follow-up: 12

Complete-case: 8 998

Cancer-free: 8 169

Incident cancers: Any cancer: 829 Colorectal: 70 Lung: 107 Breast: 105 Prostate: 85



Incomplete registry follow-up: 8

Missing job strain data: 22 Missing covariate data: 110

Prevalent cancer cases: 76

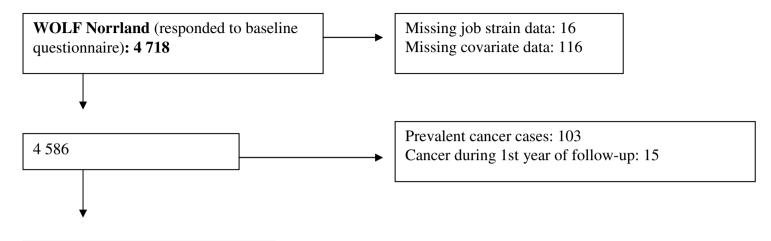
Cancer during 1st year of follow-up: 18

Complete-case: 10 074

Cancer-free: 8 618

Incident cancers: Any cancer: 1 456 Colorectal: 145

Lung: 71 Breast: 216 Prostate: 245

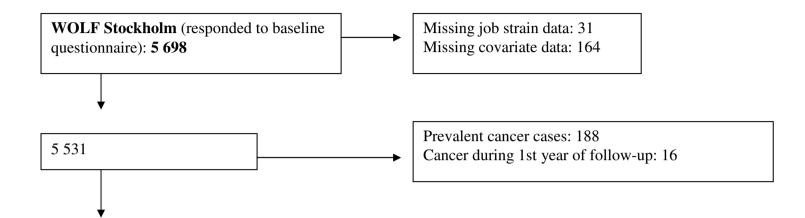


Complete-case: 4 468

Cancer-free: 4 220

Incident cancers: Any cancer: 248 Colorectal: 32 Lung: 18 Breast: 16

Prostate: 66



Complete-case: 5 299

Cancer-free: 4 840

Incident cancers: Any cancer: 459 Colorectal: 51 Lung: 25 Breast: 62 Prostate: 79 Table S1. Participant characteristics, by study

| Study <sup>1</sup><br>(country) | N<br>participants <sup>2</sup> | N (%) job<br>strain | N (%)<br>women | Mean (SD) range<br>age at baseline | N (%) low<br>SEP at<br>baseline | Mean (SD)<br>BMI at<br>baseline      | N (%)<br>smokers at<br>baseline | N (%) heavy<br>drinkers at<br>baseline <sup>3</sup> |
|---------------------------------|--------------------------------|---------------------|----------------|------------------------------------|---------------------------------|--------------------------------------|---------------------------------|---|
| COPSOQ-I                        | 1 699                          | 348 (20.5)          | 818 (48.2)     | 40.8 (10.6) 20-60                  | 755 (44.4)                      | Not measured                         | 661 (38.9)                      | Not measured  |
| (Denmark)                       |                                |                     |                |                                    |                                 |                                      |                                 |   |
| DWECS                           | 5 313                          | 1 168 (22.0)        | 2 445 (46.0)   | 41.7 (10.9) 18-69                  | 2 306 (43.4)                    | 24.6 (3.7)                           | 2 132 (40.1)                    | 300 (5.7)   |
| (Denmark)                       | 10.101                         | (1.5.0)             | 24.025 (00.2)  | 11.2 (2.1) 17.61                   | <b>-</b> (10 (10 0)             | 27.0 (4.1)                           | = = = 0 \ (1 = 0)               | 1.000 (10.0)  |
| FPS (Finland)                   | 42 401                         | 6 778 (16.0)        | 34 035 (80.3)  | 44.3 (9.4) 17-64                   | 7643 (18.0)                     | 25.0 (4.1)                           | 7 594 (17.9)                    | 4 339 (10.2)  |
| Gazel                           | 10 700                         | 1 530 (14.3)        | 2 889 (27.0)   | 50.3 (3.0) 43-58                   | 1 191 (11.1)                    | 25.4 (3.5)                           | 1 929 (18.0)                    | 1972 (18.4)   |
| (France)                        | 10,00                          |                     | 2 003 (27.0)   |                                    | 1 191 (1111)                    |                                      | (10.0)                          | (101.)  |
| HeSSup<br>(Finland)             | 14 689                         | 2595 (17.7)         | 8 234 (56.1)   | 39.4 (10.3) 20-54                  | 3 729 (25.4)                    | 24.8 (3.9)                           | 3 866 (26.3)                    | 1 448 (9.9)   |
| IPAW<br>(Denmark)               | 1 880                          | 325 (17.3)          | 1 242 (66.1)   | 41.1 (10.4) 18-68                  | 1 265 (67.3)                    | 24.2 (3.8)                           | 567 (30.2)                      | 133 (7.1)   |
| POLS (the<br>Netherlands)       | 8 844                          | 1390 (15.7)         | 2 956 (33.4)   | 39.4 (10.9) 15-64                  | 4 114 (46.5)                    | Measured as categorical <sup>4</sup> | 3 584 (40.5)                    | 23 (0.3)  |
| PUMA<br>(Denmark)               | 1 691                          | 254 (15.0)          | 1 386 (82.0)   | 42.4 (10.2) 18-69                  | 714 (42.2)                      | 24.5 (3.9)                           | 663 (39.2)                      | 111 (6.6)   |
| Still Working (Finland)         | 8 998                          | 1405 (15.6)         | 2 043 (22.7)   | 40.9 (9.1) 18-65                   | 6 225 (69.2)                    | Not measured                         | 2 974 (33.0)                    | 423 (4.7) <sup>5</sup>                              |
| Whitehall (UK)                  | 10 074                         | 1402 (13.9)         | 3 317 (32.9)   | 44.4 (6.0) 34-56                   | 2 259 (22.4)                    | 24.6 (3.6)                           | 1 853 (18.4)                    | 1 568 (15.6)  |
| WOLF<br>Norrland<br>(Sweden)    | 4 468                          | 566 (12.7)          | 694 (15.5)     | 43.9 (10.2) 19-65                  | 2 659 (59.5)                    | 26.2 (3.6)                           | 830 (18.6)                      | 271 (6.1)   |
| WOLF<br>Stockholm<br>(Sweden)   | 5 299                          | 846 (16.0)          | 2 224 (42.0)   | 41.3 (11.0) 19-70                  | 1 585 (29.9)                    | 24.6 (3.5)                           | 1 316 (24.8)                    | 438 (8.2)   |
| All                             | 116 056                        | 18 607 (16.0)       | 62 283 (53.7)  | Median: 41.1<br>Range: 17-70       | 34 445 (29.7)                   | 24.9 (3.7)                           | 27 969 (24.1)                   | 11 027 (9.5)  |

## Footnotes to Table S1.

SD: standard deviation.

<sup>&</sup>lt;sup>1</sup> For study acronyms and details, see Appendix 1.

<sup>&</sup>lt;sup>2</sup> Participants with complete data on job strain, age, sex, SEP, BMI (not available in Still Working and COPSOQ-I), smoking, alcohol intake and incident cancer events.

<sup>&</sup>lt;sup>3</sup> Heavy drinkers here defined as participants who consume more than recommended amounts of alcohol: >=15 (women) >= 22 (men) units/week.

<sup>&</sup>lt;sup>4</sup>BMI was recorded in categories in POLS. N (%) normal weight: 5 434 (61,4)

<sup>&</sup>lt;sup>5</sup> This is an approximation. We were unable to ascertain number of drinks per time period in Still Working due to the way alcohol intake was asked in the baseline questionnaire. These data are based on participants' responses to the question "How often do you drink alcohol".